

Group Members

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### Roller Coaster Worksheet

Roller Coaster Name: \_\_\_\_\_

Draw a sketch of your roller coaster in the space below:

Height in cm: \_\_\_\_\_  
# of Loops: \_\_\_\_\_  
# of Corkscrews: \_\_\_\_\_  
# of Turns \_\_\_\_\_

- Place a 1 next to a point on your roller coaster where the cars *accelerate*.
- Place a 2 at a point on your roller coaster where the cars *decelerate*.
- Place a 3 next to the point where cars have the greatest *potential* energy.
- Place a 4 next to the point where cars have the greatest *kinetic* energy.
- Place a 5 at a point where the rider experiences a g-force *greater than 1 g*.
- Place a 6 at a point where the rider experiences a g-force *less than 1 g*.